

**CHRONIC BERYLLIUM DISEASE
PREVENTION PROGRAM****Manual
Document
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TFC-ESHQ-S_IH-C-49, REV A-1
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May 4, 2011**[Ownership matrix](#)[Click for copy of Word \(native\) file](#)**1.0 PURPOSE AND SCOPE**

(7.1.1, 7.1.2, 7.1.3, 7.1.4)

This document establishes how WRPS implements DOE-0342, The Hanford Chronic Beryllium Disease Prevention Program (CBDPP) and interim measures, and 10 CFR 850, for work performed by the Tank Operations Contractor (TOC) under contract to the U.S. Department of Energy, Office of River Protection (DOE-ORP).

DOE approval for revision of the WRPS CBDPP is not required if the scope of change is to meet changes and resolutions in DOE-0342 requirements. DOE-0342 is a document governed by the Hanford CBDPP Committee, the interpretative authority for the Hanford Site, and is subject to updates, which are published as resolutions. Resolutions not captured in DOE-0342 are posted on the DOE Hanford Site Beryllium web page, until they are incorporated into annual updates of DOE-0342.

2.0 IMPLEMENTATION

This is a new procedure, re-issued from an existing approved document, TFC-PLN-24.

Staged implementation is needed to allow revisions and updates to Work Control and Business Services procedures. These procedures will be finalized as the Hanford CBDPP committee finalizes resolutions and applicable documents and processes. Full implementation is expected by June 30, 2011.

3.0 RESPONSIBILITIES**3.1 Project Management**

- Implements the CBDPP Program at the operations level; controls beryllium hazards by acting upon safety and health program requirements; updates the Employee Job Task Analysis (EJTA) and the employee's Integrated Training Electronic Matrix (ITEM) profile to add or remove training courses as applicable.
- Implements recommendations of the Site Occupational Medical Director (SOMD) for medical surveillance of beryllium-associated workers, including beryllium medical recommendations, work restrictions, and medical removal; and supports case management for employees identified to them by the Human Resources department.
- Ensures applicable beryllium Program requirements are incorporated into subcontracts and carried out through the Buyer's Technical Representatives and interfaced with the Industrial Hygiene group.

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3.2 Human Resources

Implements recommendations of the Site Occupational Medical Director (SOMD) for medical recommendations and travel, work restrictions, counseling, medical removal, and supports case management for employees identified to them by the SOMD.

4.0 PROCEDURE

This procedure may be accomplished in any sequence order.

TOC Industrial
Hygiene (IH)
Programs

1. Maintain beryllium inventory and related information on WRPS Beryllium web page and forwards information to the Mission Support Contractor for DOE Hanford Site Beryllium web page and to the Independent beryllium Oversight Team (IBOT), as described in Figure 1.
2. Evaluate facility, item, areas and activities with the potential for beryllium exposure and works with Operations to develop exposure prevention and control measures.
 - a. Write Hanford beryllium Hazard Assessment Form (HAs), A-6005-852, using information from the Tank Farm Industrial Hygiene Database, Hanford Job Specific beryllium Work Permits (BWP), A-6004-755, and Hanford Beryllium Facility Assessment Form, A-6005-329, with input from Operations.
 - b. Identify beryllium hazards on the WRPS Job Hazard Analysis Checklist (JHA), A-6004-101.
3. Assist Human Resources, Worker's Compensation, and the SOMD in case management involving beryllium work restrictions, as described in Figure 2:
 - a. Collect a brief work history and notes employee preference for sampling.
 - b. Provide facility and sampling information to employees and their managers.
 - c. Develop exposure assessment profile for employee.
 - d. Serve as, and/or assist in the Health Advocate role.
4. Conduct exposure and facility sampling in accordance with the IH exposure assessment standard and/or DOE direction.

Work Planners and
Managers

5. Consult Beryllium web page and work with IH Programs staff to develop controls when planning activities in beryllium-legacy facilities and/or with beryllium-controlled items.

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| Operations | 6. Work with Human Resources to develop planned reductions in the number of beryllium workers.

7. Work with Human Resources and IH to manage beryllium work restrictions and updates Employee Job Task Analysis.

8. Ensure subcontractor oversight and hazard communication to demonstrate DOE-0342 compliance in subcontractor activities. |
| Field Work Supervisors | 9. Ensure a Job Hazard Analysis (JHA) is documented on WRPS Job Hazard Analysis Checklist (JHA), A-6004-101.

10. If “Beryllium” is checked on the JHA, assure the Beryllium Work Permit (BWP) (A-6004-755), Beryllium Hazard Assessment (A-6005-852), and Beryllium Work Activity Checklist (A-6005-862) is reviewed during the pre-job briefing and that participating employees sign the Pre-Job Briefing form (A-6005-893).

11. Monitor work activities and controls during work and report events/ areas of beryllium exposure-related concern to IH and Operations staff, resulting from performance of beryllium work. |
| Employees with Beryllium Work Restrictions | 12. Work with Operations and IH to manage beryllium work restrictions and follow direction of SOMD. <ul style="list-style-type: none"> a. Consult with IH Programs staff, the Health Advocate and or Employee Concerns to get additional beryllium-related information. b. Consult with IH Programs staff to generate past work history, discuss sampling of your work environment, and document preferences on the sampling of your work environment. |
| Human Resources | 13. Work with Operations to develop planned reductions in the number of beryllium workers.

14. Work with Operations and IH to manage beryllium work restrictions. |

5.0 DEFINITIONS

The terms or phrases unique to this procedure are those defined in DOE-0342 and/or 10 CFR 850.

6.0 RECORDS

The following records are generated during the performance of this procedure:

- TOC Beryllium Facility Sampling and Results Report Memo-IDMS
- Hanford Beryllium Facility Assessment Form (A-6005-329)

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- Hanford Beryllium Hazard Assessment Form (A-6005-852)
- Hanford Job Specific Beryllium Work Permit (BWP) (A-6004-755)
- WRPS Beryllium Work Activity Checklist (A-6005-862)
- WRPS Job Hazard Analysis Checklist (A-6004-101)
- WRPS Pre-Job Briefing Form (A-6005-893).

The record custodian identified in the Company Level Records Inventory and Disposition Schedule (RIDS) is responsible for record retention in accordance with TFC-BSM-IRM_DC-C-02.

7.0 SOURCES

7.1 Requirements

1. 10 CFR 850, "Chronic Beryllium Disease Prevention Program."
2. 10 CFR 851, "Worker Safety and Health Program."
3. DOE-0342, "Hanford Site Chronic Beryllium Disease Prevention Program."
4. Interim Actions in response to the "DOE Hanford Site Chronic Beryllium Disease Prevention Program," Contract Modification 069, CORR-2010-0282, September 7, 2010.

7.2 References

1. DOE/RL Memorandum 00-ESD-116, "Beryllium Test Results."
2. RPP-MP-003, "Integrated Environment, Safety, and Health Management System Description for the Tank Operations Contractor."
3. TFC-BSM-CP_CPR-C-05, "Procurement of Services."
4. TFC-BSM-HR_EM-C-04, "Reasonable Accommodations to Work Restrictions."
5. TFC-BSM-TQ_MGT-C-02, "Integrated Training Electronic Matrix (ITEM) Administration."
6. TFC-ESHQ-S_IH-C-17, "Employee Job Task Analysis."
7. TFC-ESHQ-S_SAF-C-02, "Job Hazard Analysis."
8. TFC-OPS-MAINT-C-01, "Tank Operations Contractor Work Control."
9. TFC-OPS-MAINT-C-02, "Pre-Job Briefings and Post-Job Reviews."
10. TFC-PLN-34, "Industrial Hygiene Exposure Assessment Strategy."
11. TFC-PLN-116, "Subcontractor Oversight."

Figure 1. WRPS Beryllium Facility Management Process.

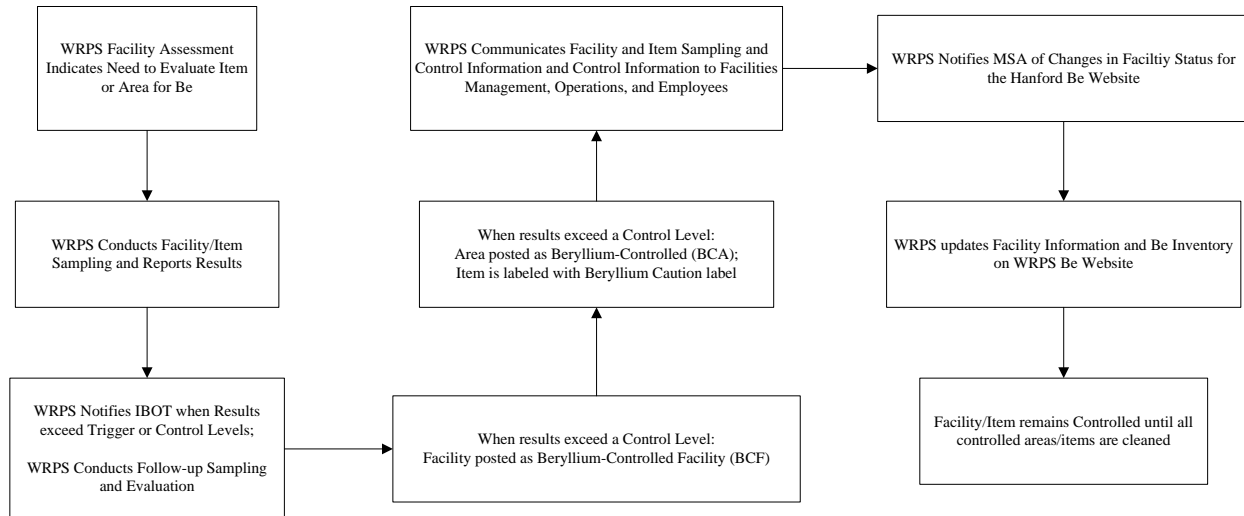


Figure 2. WRPS IH Management of Beryllium Work Restrictions.